

FIG.1

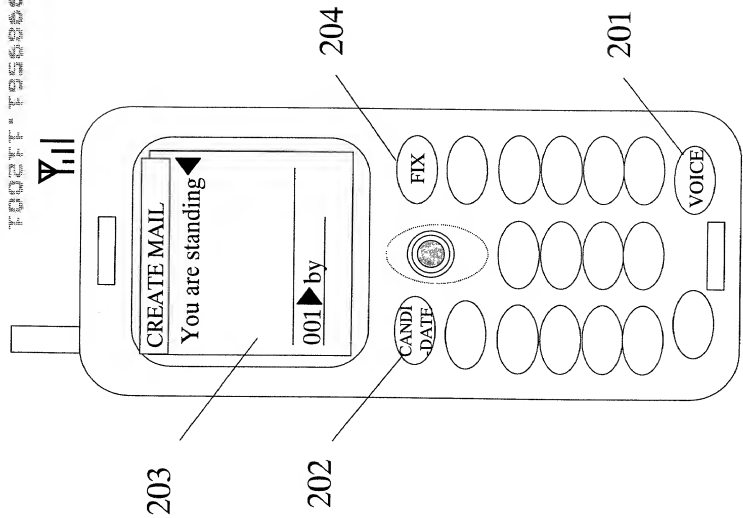


FIG.2

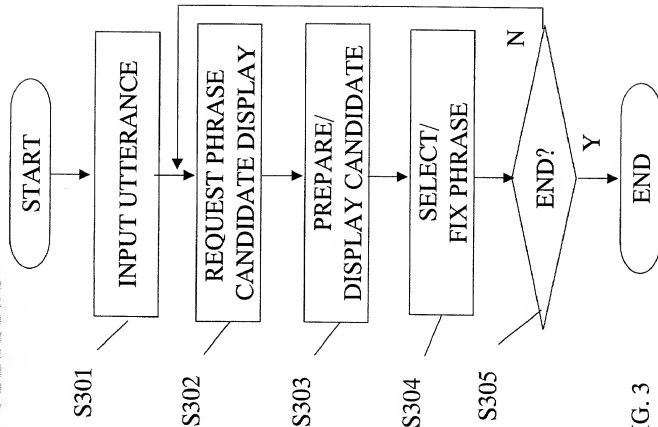


FIG. 3

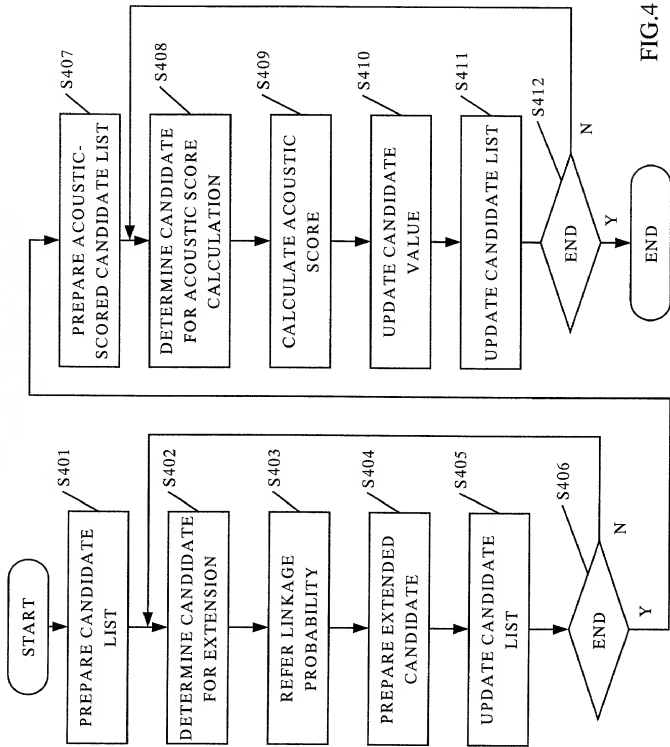


FIG. 4

(500)

FIXED
PHRASE

You are standing

(510) EXTENSION PROCESSED
0th ROUND

NT	L.P	ED
1.by	0.0832	0
2.on	0.0209	0
3.at	0.0126	0
4.for	0.0083	0
5.next	0.0069	0
...		

SELECT

(511)

PRE-
EXTENSION
CANDIDATE

NT	L.P	ED
by	0.0832	0

(512)

LINKAGE
PROBABILITY
TO
EXTENSION

NT	L.P
by -> me	0.39
by -> the	0.36
by -> \$	0.25

(513)

POST-
EXTENSION
CANDIDATE

NT	L.P	ED
by me	0.0324	0
by the	0.0299	0
by \$	0.0208	1

(520) EXTENSION PROCESSED
1st ROUND

NT	L.P	ED
1. by me	0.0324	0
2. by the	0.0299	0
3. on	0.0209	0
4. by	0.0208	1
5. at	0.0126	0
...		

(521)

NT	L.P	ED
by me	0.0324	0

(522)

NT	L.P
by me -> \$	1.00

(523)

NT	L.P	ED
by me	0.0324	1

(530) EXTENSION PROCESSED
100th ROUND

NT	L.P	ED
1. by me	0.0324	1
2. by	0.0208	1
3. on	0.0068	1
4. by the way	0.00089	1
5. at home	0.00088	1
...		

Note) NT: Notation

L.P: Linkage Probability

L.S: Language Score

A.S: Acoustic Score

I.S: Integration Score

TM: Termination

ED: End

FIG. 5

*****T*****

(600)

You are standing (END TIME 503)

FIXED
PHRASE

(610) ACOUSTIC SCORE UPDATED.

0th ROUND

PHRASE
CANDIDATE
ELIST

NT	L.S	A.S	I.S	ED
1.by me	-29.6	0	-29.6	503
2.by	-33.6	0	-33.6	503
3.on	-43.2	0	-43.2	503
4.by the way	-60.9	0	-60.9	503
5.at home	-61.0	0	-61.0	503
...				

SELECT

(611)

ACOUSTIC
SCORE
PRE-UPDATE
CANDIDATE

NT	L.S	A.S	I.S	ED
1.by me	-29.6	0	-29.6	503

(612)

ACOUSTIC
SCORE

NT	L.S	ST	ED
by me	-12	503 <->	710

(613)

ACOUSTIC
SCORE POST-
UPDATE
CANDIDATE

NT	L.S	A.S	I.S	ED
by me	-29.6	-12	-41.6	710

(620) ACOUSTIC SCORE UPDATED.

1st ROUND

NT	L.S	A.S	I.S	ED
1.by	-33.6	0	-33.6	503
2.by me	-29.6	-12	-41.6	710
3.on	-43.2	0	-43.2	503
4.by the way	-60.9	0	-60.9	503
5.at home	-61.0	0	-61.0	503
...				

Note) NT:Notation

L.P:Linkage Probability

L.S:Language Score

A.S:Acoustic Score

I.S:Integration Score

TM:Termination

ST:Start

ED:End

FIG. 6

START

S701

PREPARE CANDIDATE LIST

S702

PREPARE ACOUSTIC-
SCORED CANDIDATE LIST

S703

DETERMINE CANDIDATE
FOR EXTENSION &
ACOUSTIC SCORE
COMPUTATION (TOP
RANK IN INTEGRATION
SCORE)

S704

REFER LINKAGE
PROBABILITY

S705

PREPARE EXTENDED
CANDIDATE

S706

CALCULATE ACOUSTIC
SCORE

S707

UPDATE
CANDIDATE VALUE

S708

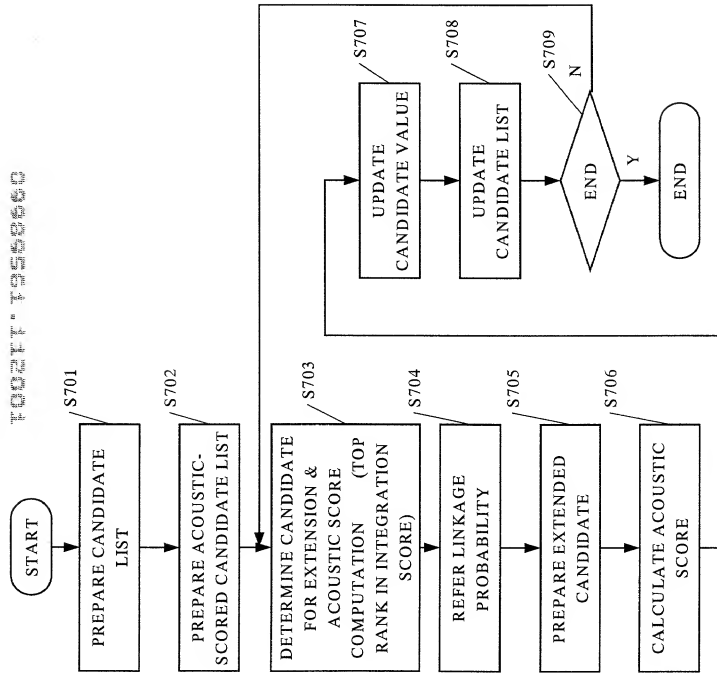
UPDATE
CANDIDATE LIST

S709

END

END

FIG. 7



FIXED

(500)

PHRASE

You are standing (END TIME 503)

I.S.:Integration Score

TM:Termination

Note) NT:Notation

L.P.:Linkage Probability

L.S.:Language Score

A.S.:Acoustic Score

(801) INITIAL CANDIDATE (803) (EXTENSION PROCESSED,
LIST) 1st ROUND)

NT	L.P	ED
1.by	0.0832	
2.on	0.0209	
3.at	0.0126	
4.for	0.0083	
5.next	0.0069	
...		

NT	L.S	A.S	I.S	TM	ED
1. by me	-29.6	0	-29.6	503	0
2. by the	-30.4	0	-30.4	503	0
3. on	-33.4	0	-33.4	503	0
4. by	-33.6	0	-33.6	503	1
5. at	-37.8	0	-37.8	503	0
...					

(805) (EXTENSION PROCESSED,
100th ROUND)

NT	L.S	A.S	I.S	TM	ED
1. by	-33.6	-06	-39.6	604	1
2. by me	-29.6	-12	-41.6	710	1
3. on	-43.2	-46	-89.2	597	1
4. by the way	-60.9	-34	-94.9	843	1
5. at home	-61.0	-80	-141	832	1
...					

(802) (ACOUSTIC-SCORED CANDIDATE
LIST)

NT	L.S	A.S	I.S	TM	ED
1.by	-21.4	0	-21.4	503	0
2.on	-33.4	0	-33.4	503	0
3.at	-37.8	0	-37.8	503	0
4.for	-41.6	0	-41.6	503	0
5.next	-43.2	0	-43.2	503	0
...					

(804) (ACOUSTIC SCORE UPDATED,
1st ROUND)

NT	L.S	A.S	I.S	TM	ED
1. by the	-30.4	0	-30.4	503	0
2. on	-33.4	0	-33.4	503	0
3. by	-33.6	0	-33.6	503	1
4. at	-37.8	0	-37.8	503	0
5. by me	-29.6	-12	-41.6	710	0
...					

(806) (ACOUSTIC SCORE UPDATED,
100th ROUND)

NT	L.S	A.S	I.S	TM	ED
1. by	-33.6	-06	-39.6	604	1
2. by me	-29.6	-12	-41.6	710	1
3. on	-43.2	-46	-89.2	597	1
4. by the way	-60.9	-34	-94.9	843	1
5. at home	-61.0	-80	-141	832	1
...					

FIG. 8

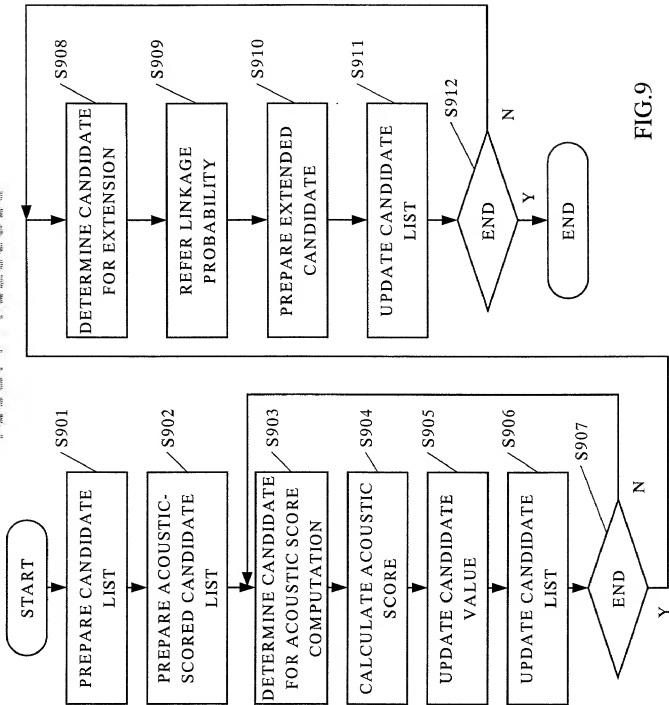


FIG. 9

(500)

FIXED
PHRASE

You are standing(END TIME 503)

Note) NT:Notation L.S:Linkage Probability L.S:Language Score A.S:Acoustic Score
I.S:Integration Score TM:Termination ED:End

(1001) INITIAL CANDIDATE LIST

NT	L.P	ED
1. by	0.0832	0
2. on	0.0209	0
3. at	0.0126	0
4. for	0.0083	0
5. next	0.0069	0
...		

(1003) (ACOUSTIC SCORE UPDATED,
1st ROUND)

NT	L.S	A.S	I.S	TM	ED
1. by	-21.4	-6	-27.4	604	0
2. on	-33.4	0	-33.4	503	0
3. at	-37.8	0	-37.8	503	0
4. for	-41.6	0	-41.6	503	0
5. next	-43.2	0	-43.2	503	0
...					

(1002) (ACOUSTIC-SCORED
CANDIDATE LIST)

NT	L.S	A.S	I.S	TM	ED
1.by	-21.4	0	-21.4	503	0
2.on	-33.4	0	-33.4	503	0
3.at	-37.8	0	-37.8	503	0
4.for	-41.6	0	-41.6	503	0
5.net	-43.2	0	-43.2	503	0
...					

(1004) (ACOUSTIC SCORE UPDATED,
100th ROUND)/1004

NT	L.S	A.S	I.S	TM	ED
1.by	-21.4	-06	-27.4	604	0
2.at	-37.8	-15	-52.8	578	0
3.on	-33.4	-46	-79.4	597	0
4.for	-41.6	-40	-81.6	611	0
5.of	-53.8	-59	-112.8	598	0
...					

(1005) (EXTENSION PROCESSED,
1st ROUND)

NT	L.S	A.S	I.S	TM	ED
1. by me	-29.6	-06	-35.6	604	0
2. by the	-30.4	-06	-36.4	604	0
3. by	-33.6	-06	-39.6	604	1
4. at	-37.8	-15	-52.8	578	0
5. on	-33.4	-46	-79.4	597	0
6. for	-41.6	-40	-81.6	611	0
...					

(1006) (EXTENSION PROCESSED,
100th ROUND)

NT	L.S	A.S	I.S	TM	ED
1.by me	-29.6	-06	-35.6	604	1
2.by	-33.6	-06	-39.6	604	1
3.by the way	-60.9	-06	-66.9	604	1
4.at home	-61.0	-15	-76.0	578	1
5.on	-43.2	-46	-89.2	597	1
...					

FIG. 10

(500)

FIXED
PHRASE

You are standing(END TIME 503)

Note) NT:Notation
L.P.:Linkage Probability
L.S.:Language Score
A.S.:Acoustic Score
I.S.:Integration Score
TM:Termination
ED:End

(1101) (INITIAL CANDIDATE LIST)

NT	L.P	ED
1.by	0.0832	0
2.on	0.0209	0
3.at	0.0126	0
4.for	0.0083	0
5.next	0.0069	0
...		

(1103) (ACOUSTIC SCORE UPDATED,
1st ROUND)

NT	L.S	A.S	I.S	TM	ED
1.by	-21.4	-6	-27.4	604	0
2.on	-33.4	0	-33.4	503	0
3.at	-37.8	0	-37.8	503	0
4.for	-41.6	0	-41.6	503	0
5.next	-43.2	0	-43.2	503	0
...					

(1105) (EXTENSION PROCESSED,
1st ROUND)

NT	L.S	A.S	I.S	TM	ED
1.by	-33.6	-06	-39.6	604	1
2.by me	-29.6	-12	-41.6	710	0
3.by the	-30.4	-22	-52.4	696	0
4.at	-37.8	-15	-52.8	578	0
5.on	-33.4	-46	-79.4	597	0
...					

(1102) (ACOUSTIC-SCORED
CANDIDATE LIST)

NT	L.S	A.S	I.S	TM	ED
1.by	-21.4	0	-21.4	503	0
2.on	-33.4	0	-33.4	503	0
3.at	-37.8	0	-37.8	503	0
4.for	-41.6	0	-41.6	503	0
5.next	-43.2	0	-43.2	503	0
...					

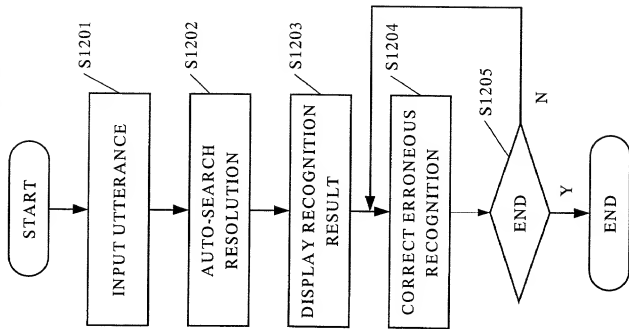
(1104) (ACOUSTIC SCORE UPDATED,
100th ROUND)

NT	L.S	A.S	I.S	TM	ED
1.by	-21.4	-06	-27.4	604	0
2.at	-37.8	-15	-52.8	578	0
3.on	-33.4	-46	-79.4	597	0
4.for	-41.6	-40	-81.6	611	0
5.of	-53.8	-59	-112.8	598	0
...					

(1106) (EXTENSION PROCESSED,
100th ROUND)

NT	L.S	A.S	I.S	TM	ED
1.by	-33.6	-06	-39.6	604	1
2.by me	-29.6	-12	-41.6	710	1
3.on	-43.2	-46	-89.2	597	1
4.by the way	-60.9	-34	-94.9	843	1
5.at home	-61.0	-80	-141	832	1
...					

FIG. 11



PRIOR ART

FIG.12